Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/23/2017 11:42 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124016	-1	1.74	123886	1.74
Blue	F	SSC	125000	123771	-1	3.70	124123	3.46
Blue	E	FITC	23355	22644	-4	2.65	1009	10.39
Blue	D	PE	28848	28470	-2	2.21	1020	9.70
Blue	B	PerCP-Cy5-5	47791	47191	-2	3.62	1354	16.81
Blue	A	PE-Cy7	41358	41206	-1	5.21	634	35.58
Red	C	APC	51316	50728	-2	2.71	2922	9.14
Red	A	APC-Cy7	53225	52272	-2	2.74	1084	10.96
Violet	B	V450	14473	13860	-5	3.67	667	9.15
Violet	A	V500	59973	58165	-4	3.43	2587	6.51

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19354	3.16	605	7	N/A	N/A	Pass
Blue	F	SSC	61677	2.00	537	3	N/A	N/A	Pass
Blue	E	FITC	112	38.83	540	-4	0.0202	119	Pass
Blue	D	PE	224	28.24	536	-2	0.1632	221	Pass
Blue	B	PerCP-Cy5-5	212	44.76	626	-4	0.0103	105	Pass
Blue	A	PE-Cy7	70	117.49	678	-3	0.0119	15	Pass
Red	C	APC	344	26.55	588	-6	0.0220	67	Pass
Red	A	APC-Cy7	119	38.86	567	-9	0.0058	1498	Pass
Violet	B	V450	81	43.43	475	4	0.0421	1904	Pass
Violet	A	V500	186	23.51	506	5	0.0125	265	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/23/2017 11:42 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.75	-31.13	0.82
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.34
Red	19.23	13.27 - 19.91	N/A	N/A	31.23	31.71	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 12760

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments